



Docket No.: NVID-P000048  
Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: van Welzen et al. )  
Serial No.: 09/994,428 )  
Filing Date: 11/26/01 )  
For: METHOD AND SYSTEM FOR DVD SMOOTH )  
SEARCH TRANSITIONS )

RECEIVED

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Technology Center 2600

CERTIFICATE UNDER 37 CFR 3.73(b)

NVIDIA, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

☒ An assignment from the inventor(s) of the patent application identified above. A copy of the assignment is attached.

☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignees as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
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is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
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is attached.

☐ Additional documents in the chain of title are listed on a  
supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) avers that the undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements

are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

12/06/02  
Date

David M. Shannon  
Signature

David M. Shannon  
Typed or Printed Name

Vice President and General Counsel  
Title

**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, **James Lewis van Welzen, Brian Dennis Falardeau and Jonathan Barton White** do hereby sell, assign, and transfer unto **NVIDIA Corporation**, a corporation organized and existing under the laws of the State of **Delaware**, having a principal place of business at **2701 San Tomas Expressway, Santa Clara, CA 95050** ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

☐ which has been executed by the undersigned concurrently herewith,

☒ which was filed on November 26, 2001, and assigned Serial No. 09/994,428,

and is entitled:

**METHOD AND SYSTEM FOR DVD SMOOTH SEARCH TRANSITIONS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Signed:

James Lewis van Welzen: James Lewis van Welzen

Date: 4/16/02

Brian Dennis Falardeau: \_\_\_\_\_

Date: \_\_\_\_\_

Jonathan Barton White: \_\_\_\_\_

Date: \_\_\_\_\_

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, **James Lewis van Welzen, Brian Dennis Falardeau and Jonathan Barton White** do hereby sell, assign, and transfer unto **NVIDIA Corporation**, a corporation organized and existing under the laws of the State of Delaware, having a principal place of business at **2701 San Tomas Expressway, Santa Clara, CA 95050** ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

[ ] which has been executed by the undersigned concurrently herewith,

[X] which was filed on November 26, 2001, and assigned Serial No. 09/994,428,

and is entitled:

**METHOD AND SYSTEM FOR DVD SMOOTH SEARCH TRANSITIONS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Signed:

James Lewis van Welzen: \_\_\_\_\_

Date: \_\_\_\_\_

Brian Dennis Falardeau: B. D. Falardeau

Date: 4/15/2002

Jonathan Barton White: \_\_\_\_\_

Date: \_\_\_\_\_

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, **James Lewis van Welzen, Brian Dennis Falardeau and Jonathan Barton White** do hereby sell, assign, and transfer unto **NVIDIA Corporation**, a corporation organized and existing under the laws of the State of Delaware, having a principal place of business at **2701 San Tomas Expressway, Santa Clara, CA 95050** ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

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Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Signed:

James Lewis van Welzen: \_\_\_\_\_

Date: \_\_\_\_\_

Brian Dennis Falardeau: \_\_\_\_\_

Date: \_\_\_\_\_

Jonathan Barton White:  \_\_\_\_\_

Date: 4/16/2002